



**Montana Department of  
ENVIRONMENTAL QUALITY**

Brian Schweitzer, Governor

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**ADDENDUM NO. ONE (1)**

**MCLAREN TAILINGS ABANDONED MINE SITE RECLAMATION PROJECT  
PARK COUNTY  
DEQ Contract No. 410010**

**Addendum Date:** January 25, 2010

**Bid Date and Time:** February 18, 2010 at 2:00 PM

The construction specifications, drawings and bidding documents for the McLaren Tailings Abandoned Mine Site Reclamation Project, Park County and postings on the DEQ web site addressing the matters referred to below are hereby modified and superseded by this Addendum.

1. Add the following sentence after the final sentence in Section 1 – Invitation to Bid, Project Location, page IFB-1:

*"The Montana DEQ and Board of Environmental Review own the land at the McLaren Tailings site."*

2. Delete the fourth sentence from the Section I – Instructions to Bidders, Article 6.1, page ITB-4:

*"The Bid Security shall be not less than 10% (ten percent) of the Total Contract Price indicated on the Bid Form."*

And add the following:

*"The Bid Security shall be not less than 10% (ten percent) of the Total Base Bid Price indicated on the Bid Form."*

3. Delete the final sentence from the Section I – Instructions to Bidders, Article 16, page ITB-10:

*"The prevailing rate of wages must be adjusted and applied for the term of the contract."*

And add the following:

*"The 3% increase to the prevailing wage must be made and applied every 12 months for the term of the contract and applies to the wage, the fringe benefit amounts, and remote location (Zone 3)."*

4. Delete the Section II - 2.1 Bid Form and replace with the Bid Form provided in Attachment 1 of this Addendum.

5. Delete the final sentence from the Section II: Contract Documents - Supplementary Conditions, Part II, Article 2 Labor Standards, Subtitle 2.5 Montana Prevailing Wage Rate Requirements, page SC-13:

*"The prevailing rate of wages must be adjusted and applied for the term of the contract."*

And add the following:

*"The 3% increase to the prevailing wage must be made and applied every 12 months for the term of the contract and applies to the wage, the fringe benefit amounts, and remote location (Zone 3)."*

6. Delete the final sentence from the Section II - Supplementary Conditions, Part II, Attachments to Supplementary Conditions:

*"The prevailing rate of wages must be adjusted and applied for the term of the contract."*

And add the following:

*"The 3% increase to the prevailing wage must be made and applied every 12 months for the term of the contract and applies to the wage, the fringe benefit amounts, and remote location (Zone 3)."*

7. Delete the following text from Section III - Special Provisions, Payment (Bid Item 1), page 9:

*"According to the below Progress Payment Schedule, a progress payment of fifteen (15) percent for this item will be allowed after Contractor has submitted bond and insurance certificates, is fully mobilized at the Site, and all required submittals have been forwarded and approved by Engineer for each Construction Schedule (1 through 6)."*

***Bid Item 1, Mobilization, Progress Payment Schedule***

<b><i>Construction Schedule</i></b>	<b><i>Progress Payment Percentage</i></b>
<i>1</i>	<i>15</i>
<i>2</i>	<i>15</i>
<i>3</i>	<i>15</i>
<i>4</i>	<i>15</i>
<i>5</i>	<i>15</i>
<i>6</i>	<i>15</i>
<b><i>Total</i></b>	<b><i>90</i></b>

*The remaining 10 percent payment for this item will be allowed after Contractor has completed the Work for the remainder of the Contract, completed final cleanup work, and has fully demobilized equipment and materials from the Site. Payment will be based on the total lump sum amount bid as shown in the Bid Form. **THE LUMP SUM BID PRICE FOR THIS BID ITEM MUST NOT EXCEED 10 PERCENT OF THE TOTAL BID PRICE.**"*

And add the following:

*"According to the below Progress Payment Schedule, a progress payment of the specified percentage for this item will be allowed after Contractor has submitted bond and insurance certificates, is fully mobilized at the Site, and all required submittals have been forwarded and approved by Engineer for each Construction Schedule (1 through 6).*

***Bid Item 1, Mobilization, Progress Payment Schedule***

<b><i>Construction Schedule</i></b>	<b><i>Progress Payment Percentage</i></b>
<i>1</i>	<i>50</i>
<i>2</i>	<i>8</i>
<i>3</i>	<i>8</i>
<i>4</i>	<i>8</i>
<i>5</i>	<i>8</i>
<i>6</i>	<i>8</i>
<b><i>Total</i></b>	<b><i>90</i></b>

*The remaining 10 percent payment for this item will be allowed after Contractor has completed the Work for the remainder of the Contract, completed final cleanup work, and has fully demobilized equipment and materials from the Site. Payment will be based on the total lump sum amount bid as shown in the Bid Form. **THE LUMP SUM BID PRICE FOR THIS BID ITEM MUST NOT EXCEED 10 PERCENT OF THE TOTAL BASE BID PRICE.**"*

8. Delete the final sentence under West Bridge Superstructure of Section III - Special Provisions, Bid Item 2a, Provide and Install West Bridge, page 12.

*"Live load shall be U80, 80-ton GVW, deflection ratio shall not exceed 0.14."*

And add the following:

*"Live load shall be U80, 80-ton GVW. The bridges shall be designed with a L/500 allowable live load deflection based on AASHTO specifications."*

9. Add the following paragraph after the third paragraph under West Bridge Superstructure of Section III - Special Provisions, Bid Item 2a, Provide and Install West Bridge, page 12.

*"The compacted gravel fill on the bridge shall have a thickness equal to the bridge manufacturer's side dam height above the top of the deck. The compacted gravel fill placed on the bridge shall be a minimum of 2 inches in thickness."*

10. Delete the final sentence under East Bridge Superstructure of Section III - Special Provisions, Bid Item 2b, Provide and Install East Bridge, page 14:

*"Live load shall be U80, 80-ton GVW, deflection ratio shall not exceed 0.14."*

And add the following:

*"Live load shall be U80, 80-ton GVW. The bridges shall be designed with a L/500 allowable live load deflection based on AASHTO specifications."*

11. Add the following paragraph after the third paragraph under East Bridge Superstructure of Section III - Special Provisions, Bid Item 2b, Provide and Install East Bridge, page 13.

*"The compacted gravel fill on the bridge shall have a thickness equal to the bridge manufacturer's side dam height above the top of the deck. The compacted gravel fill placed on the bridge shall be a minimum of 2 inches in thickness."*

12. Add the following sentence after the first sentence under Installation of Dewatering Control Building of Section III - Special Provisions, Bid Item No. 6c: Provide and Install Dewatering Control Building, page 25.

*"Contractor must coordinate with the appropriate Park County officials and comply with permitting requirements."*

13. Add the following sentence after the first sentence under Section III - Special Provisions, Bid Item 6e, Provide and Install Heating System, page 28:

*"Building heating units will be installed with one located in the northwest corner of the building and the other located in the southeast corner of the building as directed by the Engineer."*

14. Delete the first sentence under Section III - Special Provisions, Bid Item 8a, Phase I Dewatering System Installation, Step 1, Extend Trenching, Pipe, and Electrical Cables to All 17 Wells, Item 5, page 38:

*"Contractor shall connect each well to the Dewatering Control Building using HDPE pipe, or Engineer-approved equivalent."*

And add the following:

*"Contractor shall connect each well to the Dewatering Control Building using SDR-11 (160 psi) HDPE pipe, or Engineer-approved equivalent."*

15. Delete the first sentence under Section III - Special Provisions, Bid Item 9ad, Provide and Install 2-inch Flow Meter, page 46:

*"Contractor shall provide and install eighteen (17) 2-inch Flow Meters as shown on Drawings."*

And add the following:

*"Contractor shall provide and install twelve (12) 2-inch Flow Meters as shown on Drawings".*

16. Delete the first sentence under Section III - Special Provisions, Bid Item 9af, Provide and Install 2-inch Gate Valve, page 46:

*"Contractor shall provide and install fourteen (14) 2-inch gate valves as shown on Drawings. "*

And add the following:

*"Contractor shall provide and install thirteen (13) 2-inch gate valves as shown on Drawings. "*

17. Delete the first sentence under Section III - Special Provisions, Bid Item 9bp, Provide and Install 3-inch Flow Meter, page 52:

*"Contractor shall provide and install three (3) 3-inch Flow Meters as shown on Drawings. "*

And add the following:

*"Contractor shall provide and install five (5) 3-inch Flow Meters as shown on Drawings. "*

18. Delete the first sentence under Section III - Special Provisions, Bid Item 9bq, Provide and Install 4-inch Flow Meter, page 52:

*"Contractor shall provide and install three (2) 4-inch Flow Meters as shown on Drawings. "*

And add the following:

*"Contractor shall provide and install one (1) 4-inch Flow Meter as shown on Drawings. "*

19. Delete the first sentence of the second paragraph under Section III - Special Provisions, Bid Item 11c, Provide and Install One Peristaltic Pump, Tubing, and PVC Pipe, page 71:

*"Contractor shall provide 25 feet of MFLEX Pharmed #2 tubing, 100 feet of 1/4-inch inside diameter poly tubing, poly tubing adaptors, and 10 feet of 1/2-inch schedule 40 PVC pipe. "*

And add the following:

*"Contractor shall provide 25 feet of MFLEX Pharmed #25 tubing, 100 feet of 1/4-inch inside diameter poly tubing, poly tubing adaptors, and 10 feet of 1/2-inch schedule 40 PVC pipe. "*

20. Delete the seventh sentence under Section III - Special Provisions, Bid Item 17a, Provide and Install Interim Cap, page 94:

*"At the start of each subsequent construction season, Contractor shall remove and salvage or dispose off-site the interim cap materials and ballast. "*

And add the following:

*"At the start of each subsequent construction season, Contractor shall remove and salvage or dispose the interim cap materials and ballast at a state-licensed solid waste management facility."*

21. Delete the first sentence under Section III - Special Provisions, Bid Item 10d, Provide and Install Tank Level Indicator, page 65:

*"This Bid Item includes providing and installing a tank level indicator in each lime slurry tank, dosing tank, and RCTS-60 unit."*

And add the following:

*"This Bid Item includes providing and installing one tank level indicator in the dosing tank."*

22. Delete the first sentence under Section III - Special Provisions, Bid Item 10j, Provide and Install pH probe and controller, page 65:

*"This Bid Item includes providing and installing a pH probe and controller in the dosing tank"*

And add the following:

*"This Bid Item includes providing and installing a total of four(4) pH probes and controllers. The pH probes and controllers will be installed in the dosing tank, both mixing tanks, and the treated effluent line as indicated in the Drawings."*

23. Add the following sentence at the end of the first paragraph under Section III - Special Provisions, Bid Item 10j, Provide and Install pH probe and controller, page 65:

*"The probes deployed in the dosing tanks (AI-003A and AI-003B) require power from the OIT control panel but do not require a transmitter."*

24. Add the following text after the first sentence under Dewatering Trenches of Section III - Special Provisions, Bid Item 14: Construct, Operate, and Maintain Phase II Dewatering System, page 86.

*"The trench that is 100 feet in length and is aligned in a general east to west direction will be excavated to a minimum depth of 5 feet depending on the depth of waste and the groundwater levels at the time of the excavation. The trench that is 150 foot in length and is aligned in a general north to south direction will be excavated to a minimum depth of 11 feet on the north end to 5 feet on the south end depending on the depth of waste and the groundwater levels at the time of the excavation."*

25. Add the following text to the end of Section IV - Technical Specifications, Section 13705 Process Instrumentation and Control System, Part 1.2 System Description, paragraph D:

*"The metering pump variable frequency drive shall be wired from bank #1, slot #5, output #1."*

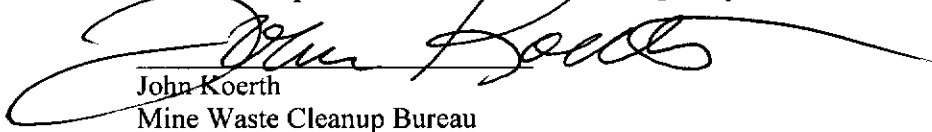
26. Add the following text to Section IV - Technical Specifications, Section 13705 Process Instrumentation and Control System, Part 1.2 System Description:

*"F: The 17 wells and the 2 dosing mixers will be placed into running mode through the OIT. The running mode will keep the pumps and motors running at all times except for winter shut down (for the dosing tank mixers) and maintenance. The onsite operators will turn the pumps and motors off manually through the OIT or the MCC disconnect. In the event of a power outage the well pumps and mixers shall turn on automatically. There will not be any other automatic requirement for the pumps or motors."*

27. Insert Sheet E-17 provided in Attachment 2 of this Addendum to Section V – Drawings.
28. Delete Sheet E-10 from Section V - Drawings and replace with Sheet E-10 provided in Attachment 2.
29. Delete Sheet F-2 from Section V - Drawings and replace with Sheet F-2 provided in Attachment 2.

**Issued by:**

**Montana Department of Environmental Quality**

  
John Koerth  
Mine Waste Cleanup Bureau

**Bidder hereby acknowledges the receipt of Addendum No. One (1)**

Received By: \_\_\_\_\_  
(Name and Title)  
\_\_\_\_\_  
(Bidder)  
\_\_\_\_\_  
(Date)

**END**

**ATTACHMENT 1**  
**BID FORM**



**SECTION II**  
**2.1 BID FORM**

<u>Bid</u> <u>Item No.</u>	<u>Description</u>	<u>Estimated</u> <u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
<b>1</b>	<b><u>Mobilization, Bonding and Insurance</u></b>				
	Mobilization, Bonding & Insurance	1	L.S.	XXXXXXXXXX	_____
<b>2</b>	<b><u>Facilities and Infrastructure</u></b>				
a	Provide and Install West Bridge	1	L.S.	XXXXXXXXXX	_____
b	Provide and Install East Bridge	1	L.S.	XXXXXXXXXX	_____
c	Construct Temporary Haul Roads	3,600	L.F.	_____	\$ _____
d	Maintain and Obliterate Temporary Haul Roads	1	L.S.	XXXXXXXXXX	_____
e	Clear, Grub and Timber Removal	1	L.S.	XXXXXXXXXX	_____
f	Provide, Install and Remove Jersey Barriers	48	EA	_____	\$ _____
<b>3</b>	<b><u>Provide and Install Electrical Systems</u></b>				
a (S)	Provide and Install Electrical Systems	1	L.S.	XXXXXXXXXX	_____
<b>4</b>	<b><u>Well Abandonment</u></b>				
a	Well Abandonment	20	EA	_____	\$ _____
<b>5</b>	<b><u>Initial Construction Dewatering System</u></b>				
a	Install Temporary Submersible Pump	4	EA	_____	\$ _____
b	Provide and Install Temporary Piping System to Storm Water Channel #5	1	L.S.	XXXXXXXXXX	_____
c	Maintenance of Initial Construction Dewatering System	5	MONTH	_____	\$ _____
d	Disassemble Initial Construction Dewatering System	1	L.S.	XXXXXXXXXX	_____
<b>6</b>	<b><u>Dewatering Control Building</u></b>				
a	Grade and Install 6 inch Base Course Building Pad	1	L.S.	XXXXXXXXXX	_____
b	Install Concrete Footings and Concrete Slabs	1	L.S.	XXXXXXXXXX	_____
c	Provide and Install Dewatering Control Building	1	L.S.	XXXXXXXXXX	_____
d	Provide and Install Insulation	1	L.S.	XXXXXXXXXX	_____
e	Provide and Install Heating System	1	L.S.	XXXXXXXXXX	_____
f	Remove Dewatering Control Building	1	L.S.	XXXXXXXXXX	_____
<b>7</b>	<b><u>Sediment Pond Construction</u></b>				
a	Construct Sediment Detention Pond	1	L.S.	XXXXXXXXXX	_____
b	Provide and Install Sediment Detention Pond Inlet #1	1	L.S.	XXXXXXXXXX	_____
c	Provide and Install Sediment Detention Pond Inlet #2	1	L.S.	XXXXXXXXXX	_____
d	Provide and Install Perimeter Water Bypass	1	L.S.	XXXXXXXXXX	_____
e	Provide and Install Sediment Detention Pond Outlet Structure	1	L.S.	XXXXXXXXXX	_____
f	Provide and Install Sediment Detention Pond Liner	6,896	S.Y	_____	\$ _____

**SECTION II**  
**2.1 BID FORM (cont.)**

<u>Bid</u> <u>Item No.</u>	<u>Description</u>	<u>Estimated</u> <u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
<b>7</b>	<b><u>Sediment Pond Construction (cont.)</u></b>				
g (S)	Provide, Install and Remove Gunderbooms	2	EA		
h	Provide, Install and Remove Wildlife Exclusion Fence	1,660	LF		
i	Remove Sediment Detention Pond	1	L.S.	XXXXXXXX	
<b>8</b>	<b><u>Phase I Dewatering System Installation</u></b>				
a	Phase I Dewatering System Installation	1	L.S.	XXXXXXXX	
b	Miscellaneous Phase I Dewatering Equipment and Operation	3	Construction Schedule		\$ -
<b>9</b>	<b><u>Dewatering Control Building Piping, Valves, and Instrumentation</u></b>				
a	Provide and Install 2 inch Schedule 40 PVC Pipe	240	L.F.		\$ -
b	Provide and Install 3 inch Schedule 40 PVC Pipe	100	L.F.		\$ -
c	Provide and Install 4 inch Schedule 40 PVC Pipe	100	L.F.		\$ -
d	Provide and Install 6 inch Schedule 40 PVC Pipe	10	L.F.		\$ -
e	Provide and Install 8 inch Schedule 40 PVC Pipe	140	L.F.		\$ -
f	Provide and Install 8 inch Schedule 40 PVC Pipe Coupling	1	E.A.		\$ -
g	Provide and Install 2-inch 90 degree Schedule 40 PVC Elbow	17	E.A.		\$ -
h	Provide and Install 3-inch 90 degree Schedule 40 PVC Elbow	4	E.A.		\$ -
i	Provide and Install 4-inch 90 degree Schedule 40 PVC Elbow	10	E.A.		\$ -
j	Provide and Install 6-inch 90 degree Schedule 40 PVC Elbow	1	E.A.		\$ -
k	Provide and Install 8-inch 90 degree Schedule 40 PVC Elbow	8	E.A.		\$ -
l	Provide and Install 8-inch X 8-inch x 6-inch 45 degree Schedule 40 PVC Reducing Wye	1	E.A.		\$ -
m	Provide and Install 2-inch X 2-inch X 2-inch Schedule 40 PVC Pipe Tee	28	E.A.		\$ -
n	Provide and Install 3-inch X 3-inch X 3-inch Schedule 40 PVC Pipe Tee	6	E.A.		\$ -
o	Provide and Install 4-inch X 4-inch X 4-inch Schedule 40 PVC Pipe Tee	2	E.A.		\$ -
p	Provide and Install 8-inch X 8-inch X 8-inch Schedule 40 PVC Pipe Tee	2	E.A.		\$ -
q	Provide and Install 2-inch Schedule 40 PVC Pipe End Cap	14	E.A.		\$ -
r	Provide and Install 3-inch Schedule 40 PVC Pipe End Cap	3	E.A.		\$ -
s	Provide and Install 4-inch Schedule 40 PVC Pipe End Cap	1	E.A.		\$ -
t	Provide and Install 8-inch Schedule 40 PVC Pipe End Cap	4	E.A.		\$ -
u	Provide and Install 8-inch X 2-inch Schedule 40 PVC Clamp on Saddle	27	E.A.		\$ -
v	Provide and Install 8-inch X 3-inch Schedule 40 PVC Saddle	6	E.A.		\$ -

**SECTION II**  
**2.1 BID FORM (cont.)**

<u>Bid</u> <u>Item No.</u>	<u>Description</u>	<u>Estimated</u> <u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
9	<b>Dewatering Control Building Piping, Valves, and Instrumentation (cont.)</b>				
w	Provide and Install 8-inch X 4-inch Schedule 40 PVC Saddle	3	E.A.		\$ -
x	Provide and Install 4-inch X 2-inch Schedule 40 PVC Reducer	6	E.A.		\$ -
y	Provide and Install 3-inch X 2-inch Schedule 40 PVC Reducer	8	E.A.		\$ -
z	Provide and Install 4-inch Schedule 40 PVC Check Valve	2	E.A.		\$ -
aa	Provide and Install 2-Inch Air Relief Valve	17	E.A.		\$ -
ab	Provide and Install 3-Inch Pipe Hangers	3	E.A.		\$ -
ac	Provide and Install 8-Inch Pipe Hangers	10	E.A.		\$ -
ad	Provide and Install 2-inch Flow Meter	12	E.A.		\$ -
ae	Provide and Install 8-inch Flow Meter	1	E.A.		\$ -
af	Provide and Install 2-inch Gate Valve	13	E.A.		\$ -
ag	Provide and Install 3-inch Gate Valve	4	E.A.		\$ -
ah	Provide and Install 4-inch Gate Valve	1	E.A.		\$ -
ai	Provide and Install 6-inch Lever Handle Type Butterfly Valve	1	E.A.		\$ -
aj	Provide and Install 8-inch Lever Handle Type Butterfly Valve	3	E.A.		\$ -
ak	Provide and Install 6-inch ANSI PVC Flange for 6" Butterfly Valve	2	E.A.		\$ -
al	Provide and Install 8-inch ANSI PVC Flange	8	E.A.		\$ -
am	Provide and Install 2-inch PVC Ball Valve	26	E.A.		\$ -
an	Provide and Install 3-inch PVC Ball Valve	8	E.A.		\$ -
ao	Provide and Install 4-inch PVC Ball Valve	8	E.A.		\$ -
ap	Provide and Install 2-inch Unistrut Clamp	42	E.A.		\$ -
aq	Provide and Install 3-inch Unistrut Clamp	12	E.A.		\$ -
ar	Provide and Install 4-inch Unistrut Clamp	7	E.A.		\$ -
as	Provide and Install 8-inch Unistrut Clamp	11	E.A.		\$ -
at	Provide and Install Unistrut "L" Bracket	4	E.A.		\$ -
au	Provide and Install Unistrut Channel	126	L.F.		\$ -
av	Provide and Install 2-inch Female Cam-Lok	5	E.A.		\$ -

**SECTION II**  
**2.1 BID FORM (cont.)**

<u>Bid</u> <u>Item No.</u>	<u>Description</u>	<u>Estimated</u> <u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
9	<u>Dewatering Control Building Piping, Valves, and Instrumentation (cont.)</u>				
aw	Provide and Install 2-inch Male Cam-Lok	5	E.A.	_____	\$ _____ -
ax	Provide and Install 4-inch Female Cam-Lok	9	E.A.	_____	\$ _____ -
ay	Provide and Install 4-inch Male Cam-Lok	11	E.A.	_____	\$ _____ -
az	Provide and Install 4-inch Cam-Lok Protective Cover	2	E.A.	_____	\$ _____ -
ba	Provide and Install 8-inch Male Cam-Lok	1	E.A.	_____	\$ _____ -
bb	Provide and Install 8-inch Cam-Lok Protective Cover	1	E.A.	_____	\$ _____ -
bc	Provide and Install 3-inch Poly Tank Fitting (Bulkhead)	2	E.A.	_____	\$ _____ -
bd	Provide and Install 4-inch Poly Tank Fitting (Bulkhead)	7	E.A.	_____	\$ _____ -
be	Provide and Install 6-inch Poly Tank Fitting (Bulkhead)	2	E.A.	_____	\$ _____ -
bf	Provide and Install 2-inch Schedule 40 PVC Union	30	E.A.	_____	\$ _____ -
bg	Provide and Install 4-inch Pipe Penetration Boot	2	E.A.	_____	\$ _____ -
bh	Provide and Install 8-inch Pipe Penetration Boot	1	E.A.	_____	\$ _____ -
bi	Provide and Install 2-Inch Flex Hose	32	L.F.	_____	\$ _____ -
bj	Provide and Install 4-Inch Flex Hose	32	L.F.	_____	\$ _____ -
bk	Provide and Install Eye Wash Station	2	E.A.	_____	\$ _____ -
bl	Provide and Install 4-Inch FemaleThread Adaptor to Threaded Male Cam-Lock to PVC	11	E.A.	_____	\$ _____ -
bm	Provide and Install 2-Inch FemaleThread Adaptor to Threaded Male Cam-Lock to PVC	5	E.A.	_____	\$ _____ -
bn	Provide and Install 3/4-Inch Petcocks Brass	6	E.A.	_____	\$ _____ -
bo	Provide and Install 8-Inch by 3/4-Inch PVC Tapping Saddle	6	E.A.	_____	\$ _____ -
bp	Provide and Install 3-inch Flow Meter	5	E.A.	_____	\$ _____ -
bq	Provide and Install 4-inch Flow Meter	1	E.A.	_____	\$ _____ -
br	Provide and Install 3-inch ANSI PVC Flange	10	E.A.	_____	\$ _____ -
bs	Provide and Install 4-inch ANSI PVC Flange	2	E.A.	_____	\$ _____ -

**SECTION II**  
**2.1 BID FORM (cont.)**

<u>Bid</u> <u>Item No.</u>	<u>Description</u>	<u>Estimated</u> <u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
<b>10</b>	<b><u>Provide and Install Water Treatment System</u></b>				
a	Provide and Install Horizontal Screw Conveyor	1	L.S.	XXXXXXXXXX	
b	Provide and Install 600 Gallon Lime Slurry Tanks	2	E.A.		\$ -
c	Provide and Install 3/4 HP Lime Slurry Mixers	2	E.A.		\$ -
d	Provide and Install Tank Level Indicator	1	E.A.		\$ -
e	Provide and Install Air Actuated Knife Valves	2	E.A.		\$ -
f	Provide and Install 3-Gallon Air Compressor	1	L.S.	XXXXXXXXXX	
g	Provide and Install 2 HP Lime Slurry Pump	1	E.A.		\$ -
h	Provide and Install Dosing Tank and Stand	1	E.A.		\$ -
i	Provide and Install Dosing Tank Mixer	1	E.A.		\$ -
j	Provide and Install pH Probe and Controller	4	E.A.		\$ -
k (S)	Provide and Install RCTS-60HS	1	E.A.		\$ -
l	Provide and Install Lime Silo	1	L.S.	XXXXXXXXXX	
m	Provide and Install Staircase and Platform	1	L.S.	XXXXXXXXXX	
<b>11</b>	<b><u>Flocculant System</u></b>				
a	Provide and Install 200 Gallon Flocculant Mixing Tank	1	EA		\$ -
b	Provide and Install 3/4 HP mixer	1	EA		\$ -
c	Provide and Install Peristaltic Pump, Tubing, and PVC Pipe	1	L.S.	XXXXXXXXXX	
<b>12</b>	<b><u>Water Treatment System Operation, Maintenance and Monitoring</u></b>				
a	Summer Operation, Maintenance, and Monitoring	15	30 Calendar Days		\$ -
b	Winter Operation, Maintenance, and Monitoring	21	30 Calendar Days		
c	Snow Removal	148	EA		
d	Provide, Store, and Handle Anionic Flocculant	6	55-gallon drums		
e	Provide, Store, and Handle Hydrated Lime Product	198	Tons		
<b>13</b>	<b><u>Maintenance of Major Equipment</u></b>				
a	Lime Screw Conveyor Shear Pins/Flex Coupling	1	EA		
b	Lime Screw Coveyor Motor	1	EA		
c	Lime Slurry and Dosing Tank Mixers	1	EA		
d	Flocculant Tank Mixer	1	EA		

**SECTION II**  
**2.1 BID FORM (cont.)**

<u>Bid</u> <u>Item No.</u>	<u>Description</u>	<u>Estimated</u> <u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
<b>13</b>	<b><u>Maintenance of Major Equipment (cont.)</u></b>				
e	Lime Slurry Pump	1	EA	_____	\$ _____ -
f	Peristaltic Pump	1	EA	_____	\$ _____ -
g	Peristaltic Pump Head Assembly	1	EA	_____	\$ _____ -
h	Tank Level Indicators	1	EA	_____	\$ _____ -
i	Influent Line 8" Flow Meter	1	EA	_____	\$ _____ -
j	pH Probe and Controller	1	EA	_____	\$ _____ -
k	RCTS-60 Motor	1	EA	_____	\$ _____ -
l	5-HP Submersible Pump	1	EA	_____	\$ _____ -
m	7-HP Submersible Pump	1	EA	_____	\$ _____ -
n	1-HP Submersible Pump	1	EA	_____	\$ _____ -
o	1.5-HP Submersible Pump	1	EA	_____	\$ _____ -
p	2-inch Flow Meter	1	EA	_____	\$ _____ -
q	3-inch Flow Meter	1	EA	_____	\$ _____ -
r	4-inch Flow Meter	1	EA	_____	\$ _____ -
s	Sediment Pond Sludge Removal	6	EA	_____	\$ _____ -
t	Cleaning of IWT RCTS-60HS Unit	3	EA	_____	\$ _____ -
<b>14</b>	<b><u>Construct, Operate and Maintain Phase II Dewatering System</u></b>				
a	Construct, Operate, and Maintain Phase II Dewatering System	1	L.S.	XXXXXXXX	_____
<b>15</b>	<b><u>Stabilization /Dehydration of Mine Wastes</u></b>				
a	Strip, load, Haul and Stockpile Cover Soils	48,128	C.Y.	_____	\$ _____ -
b	Provide, Store, and Handle Quick Lime Product	13,400	TON	_____	\$ _____ -
c	Stabilization of Tailings and Other Saturated Mine Wastes/Impacted Soils	168,915	B.C.Y.	_____	\$ _____ -
<b>16</b>	<b><u>Excavate Repository and Stockpile Soil</u></b>				
a	Excavate Repository and Stockpile Soil	60,400	B.C.Y.	_____	\$ _____ -
b	Construct Earthen Dams	1	L.S.	XXXXXXXX	_____
c	Partially Backfill Existing Dry Channel	1	L.S.	XXXXXXXX	_____

**SECTION II**  
**2.1 BID FORM (cont.)**

<u>Bid</u> <u>Item No.</u>	<u>Description</u>	<u>Estimated</u> <u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
<b>17</b>	<b><u>Install Repository Cap</u></b>				
a	Provide and Install Interim Cap	43,750	S.Y.	_____	\$ _____ -
b (S)	Provide and Install Geocushion	26,500	S.Y.	_____	\$ _____ -
c (S)	Provide and Install HDPE Cap Liner	26,500	S.Y.	_____	\$ _____ -
d (S)	Provide and Install Geocomposite Drainage Material	26,500	S.Y.	_____	\$ _____ -
e	Install Repository Cover Soil Cap	25,000	C.Y.	_____	\$ _____ -
<b>18</b>	<b><u>Organic Amendment</u></b>				
a	Organic Amendment	6,818	Dry Tons	_____	\$ _____ -
<b>19</b>	<b><u>Backfill Excavated Areas with Amended Cover</u></b>				
a	Backfill Excavated Areas with Amended Cover Soil	43,560	L.C.Y.	_____	\$ _____ -
<b>20</b>	<b><u>Stream Reconstruction</u></b>				
a	Soda Butte Creek Reconstruction	1,475	L.F.	_____	\$ _____ -
b	Miller Creek Reconstruction	525	L.F.	_____	\$ _____ -
c	Soda Butte Creek Grade Control Structures	32	EA	_____	\$ _____ -
d	Miller Creek Grade Control Structures	14	EA	_____	\$ _____ -
e	Install Isolation Cofferdams	3	EA	_____	\$ _____ -
f	Install Willow Fascines	400	L.F.	_____	\$ _____ -
g	Install Willow Brush Layer	1,300	L.F.	_____	\$ _____ -
h	Install Tree Boles with Root Wads	1	L.S.	XXXXXXXXXX	_____
i	Install Log Grade Control Structures	2	EA	_____	\$ _____ -
j	Install Log Wing Deflectors	3	EA	_____	\$ _____ -
k	Backfill and Grade Former Soda Butte Creek Channel	1	L.S.	XXXXXXXXXX	_____
l	Relocate East Bridge	1	L.S.	XXXXXXXXXX	_____
m	Remove and Dispose of West Bridge	1	L.S.	XXXXXXXXXX	_____
<b>21</b>	<b><u>Storm Water Control Systems</u></b>				
a	Construct Type 1 Grass Lined Channel	700	L.F.	_____	\$ _____ -
b	Construct Type 2 Grass Lined Channel	380	L.F.	_____	\$ _____ -
c	Construct Type 3 Grass Lined Channel	400	L.F.	_____	\$ _____ -
d	Construct Type 3 Riprap Channel	10	L.F.	_____	\$ _____ -
e	Construct Grouted Riprap Channel	120	L.F.	_____	\$ _____ -

**SECTION II**  
**2.1 BID FORM (cont.)**

<u>Bid Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
<b>21</b>	<b><u>Storm Water Control Systems (cont.)</u></b>				
f	Construct Storm Water Drain System	720	L.F.	_____	\$ _____ -
g	Construct Repository Grouted Riprap Lined V-Channel	710	L.F.	_____	\$ _____ -
h	Construct RPP Lined Channel	190	L.F.	_____	\$ _____ -
i	Install 36" HDPE Culvert	1	L.S.	XXXXXXXXXX	_____
j	Install 24" HDPE Culvert	1	L.S.	XXXXXXXXXX	_____
k	Install 36" inch Temporary HDPE/CMP Culvert	1	L.S.	XXXXXXXXXX	_____
<b>22</b>	<b><u>Install Erosion Control Mat</u></b>				
a	Install Erosion Control Mat	8,100	S.Y.	_____	\$ _____ -
<b>23</b>	<b><u>Fertilize and Seed</u></b>				
a	Upland Areas	31	AC	_____	\$ _____ -
b	Riparian Areas (Streambanks)	0.8	AC	_____	\$ _____ -
<b>24</b>	<b><u>Mulch</u></b>				
a	Straw Mulch	26	AC	_____	\$ _____ -
b	Hydromulch	5	AC	_____	\$ _____ -
<b>25</b>	<b><u>Plant Tree and Shrub Tubelings</u></b>				
a	Plant Russet Buffaloberry Shrub Tubelings	600	EA	_____	\$ _____ -
b	Plant Douglas-fir Tree Seedlings	400	EA	_____	\$ _____ -
<b>26</b>	<b><u>Install Construction BMPs</u></b>				
a (S)	Install Compost Filter Sox	1,800	L.F.	_____	\$ _____ -
b	Install Stream Protection Structures	1,040	L.F.	_____	\$ _____ -
c	Install Stone Check Dams	6	EA	_____	\$ _____ -
<b>TOTAL BASE BID PRICE: \$</b>					<b>_____ -</b>

**TOTAL BASE PRICE (IN WORDS):**

\_\_\_\_\_



**SECTION II**  
**2.1 BID FORM (cont.)**

**BID ALTERNATIVE No. 1**

<u>Bid</u> <u>Item No.</u>	<u>Description</u>	<u>Estimated</u> <u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Price</u>
A-1	Excavate, Load, Haul, Place and Compact Stabilized Tailings, Mine Wastes and Impacted Soils in the Repository	181,000	C.Y.		\$ -
<b>TOTAL BID ALTERNATIVE No. 1 PRICE:</b>					<b>\$ -</b>

**TOTAL BID ALTERNATIVE No. 1 PRICE (IN WORDS):**

---

**BID ALTERNATIVE No. 2**

A-2	<u>Excavate, Load, Haul, Stockpile, Scale and Transport Stabilized Tailings Materials to Off-Site Processing Facility</u>				
A-2a	Provide, Install and Remove Truck Scale	1	Construction Schedule		\$ -
A-2b	Excavate, Load, Haul, Stockpile, and Transport Stabilized Tailings Materials to Off-Site Processing Facility	68,700	Ton		\$ -
A-2c	Excavate, Load, Haul, Place and Compact Stabilized Tailings, Mine Wastes and Impacted Soils in the Repository	148,800	C.Y.		\$ -
<b>TOTAL BID ALTERNATIVE No. 2 PRICE:</b>					<b>\$ -</b>

**TOTAL BID ALTERNATIVE No. 2 PRICE (IN WORDS):**

---

**BID ALTERNATIVE No. 3**

A-3	<u>Excavate, Load, Haul, Stockpile, Scale and Transport Stabilized Tailings Materials to Off-Site Processing Facility</u>				
A-3a	Provide, Install and Remove Truck Scale	2	Construction Schedule		\$ -
A-3b	Excavate, Load, Haul, Stockpile, and Transport Stabilized Tailings Materials to Off-Site Processing Facility	148,700	Ton		\$ -
A-3c	Excavate, Load, Haul, Place and Compact Stabilized Tailings, Mine Wastes and Impacted Soils in the Repository	111,000	C.Y.		\$ -
<b>TOTAL BID ALTERNATIVE No. 3 PRICE:</b>					<b>\$ -</b>

**TOTAL BID ALTERNATIVE No. 3 PRICE (IN WORDS):**

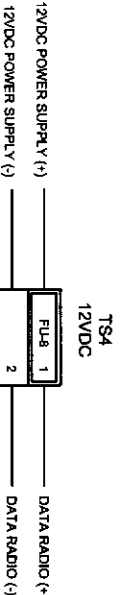
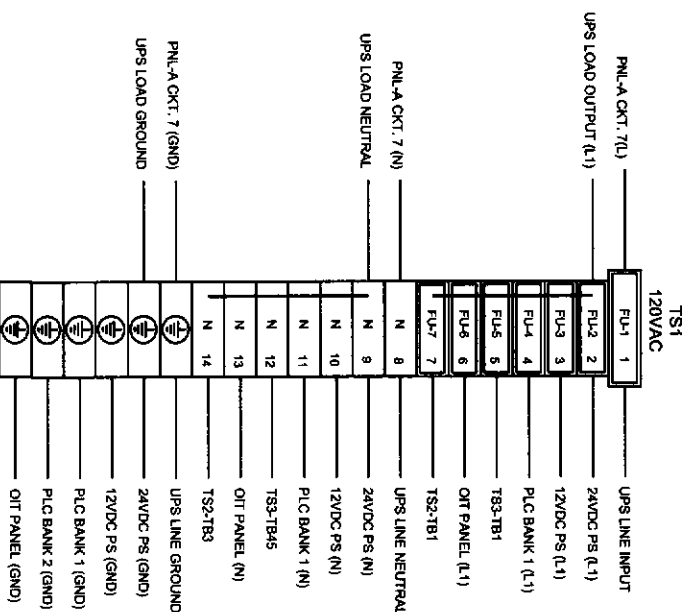
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AC = Acres  
CY = Cubic Yards  
EA = Each  
KGAL = 1,000 Gallons

LF = Lineal Feet  
LS = Lump Sum  
SY = Square Yards  
Ton = 2,000 Pounds

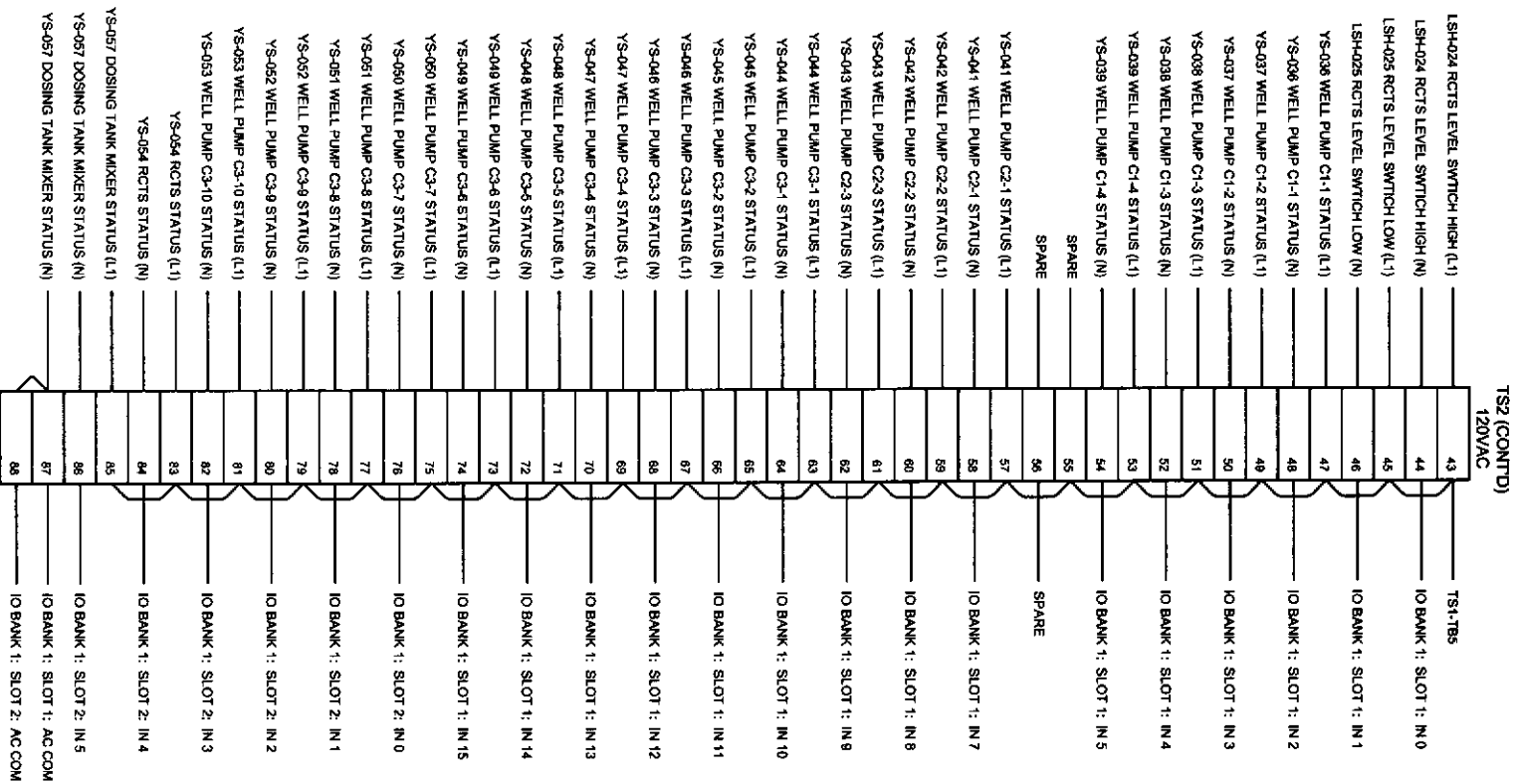
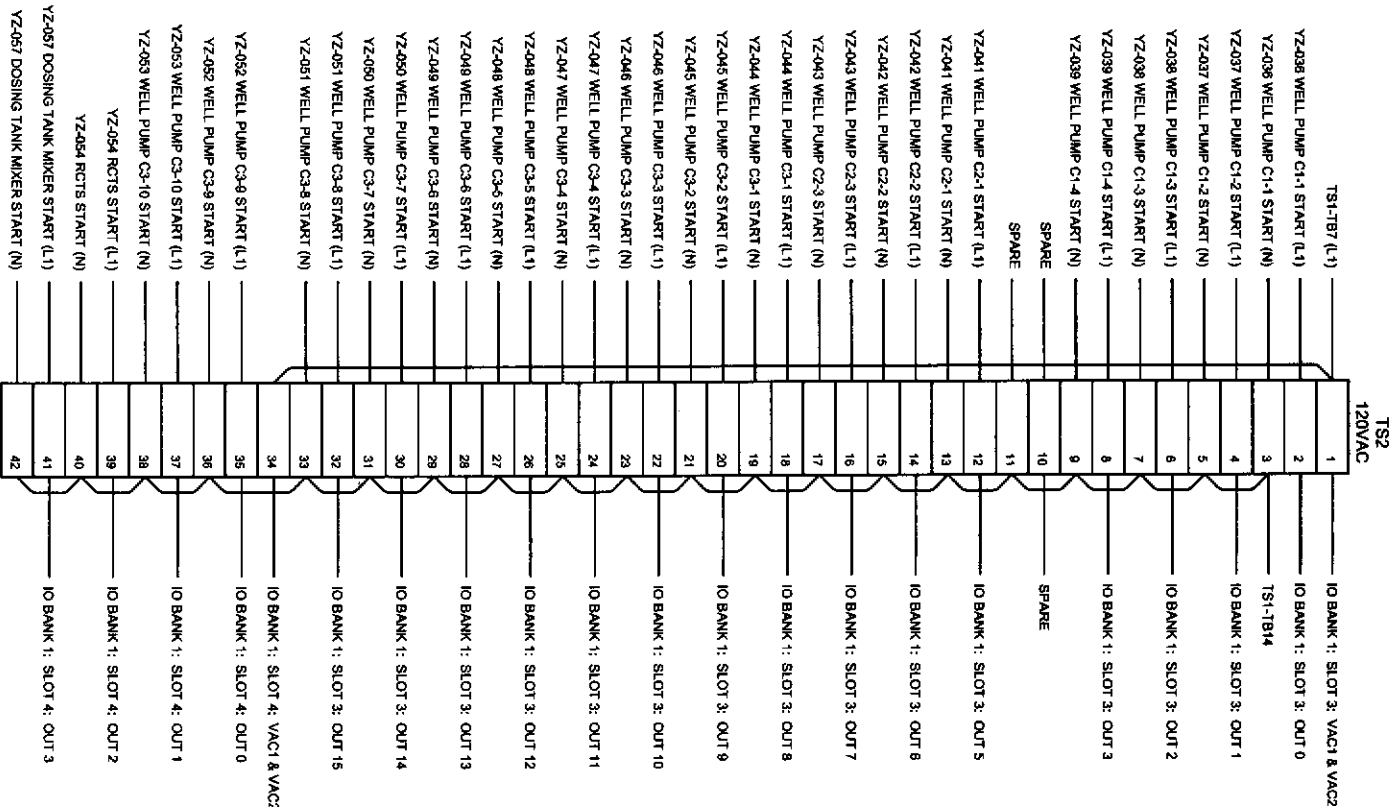
(S) = Specialty Item

**ATTACHMENT 2**  
**DRAWINGS**

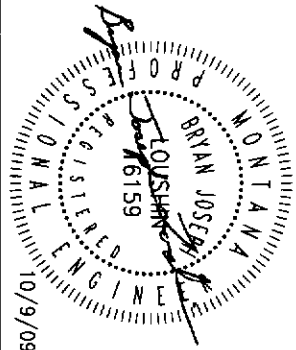


Fuse Schedule		
FUSE	RATING	TYPE
F1	10A	KTK-R CC
F2	3A	5mmX20mm Fast Blow
F3	3A	5mmX20mm Time Delay
F4	2A	5mmX20mm Fast Blow
F5	4A	5mmX20mm Fast Blow
F6	5A	5mmX20mm Fast Blow
F7	4A	5mmX20mm Fast Blow
F8	2.5A	5mmX20mm Fast Blow

NOTES:  
1. FOR TERMINAL STRIP 5 (TS5 - 24VDC) REFER TO LOOP DRAWINGS.



TERMINAL BLOCK LAYOUT



MSE TECHNOLOGY APPLICATIONS, INC.  
200 TECHNOLOGY WAY  
P.O. Box 4078  
Butte, MT 59702  
PHONE (406) 494-7100  
FAX (406) 494-7230

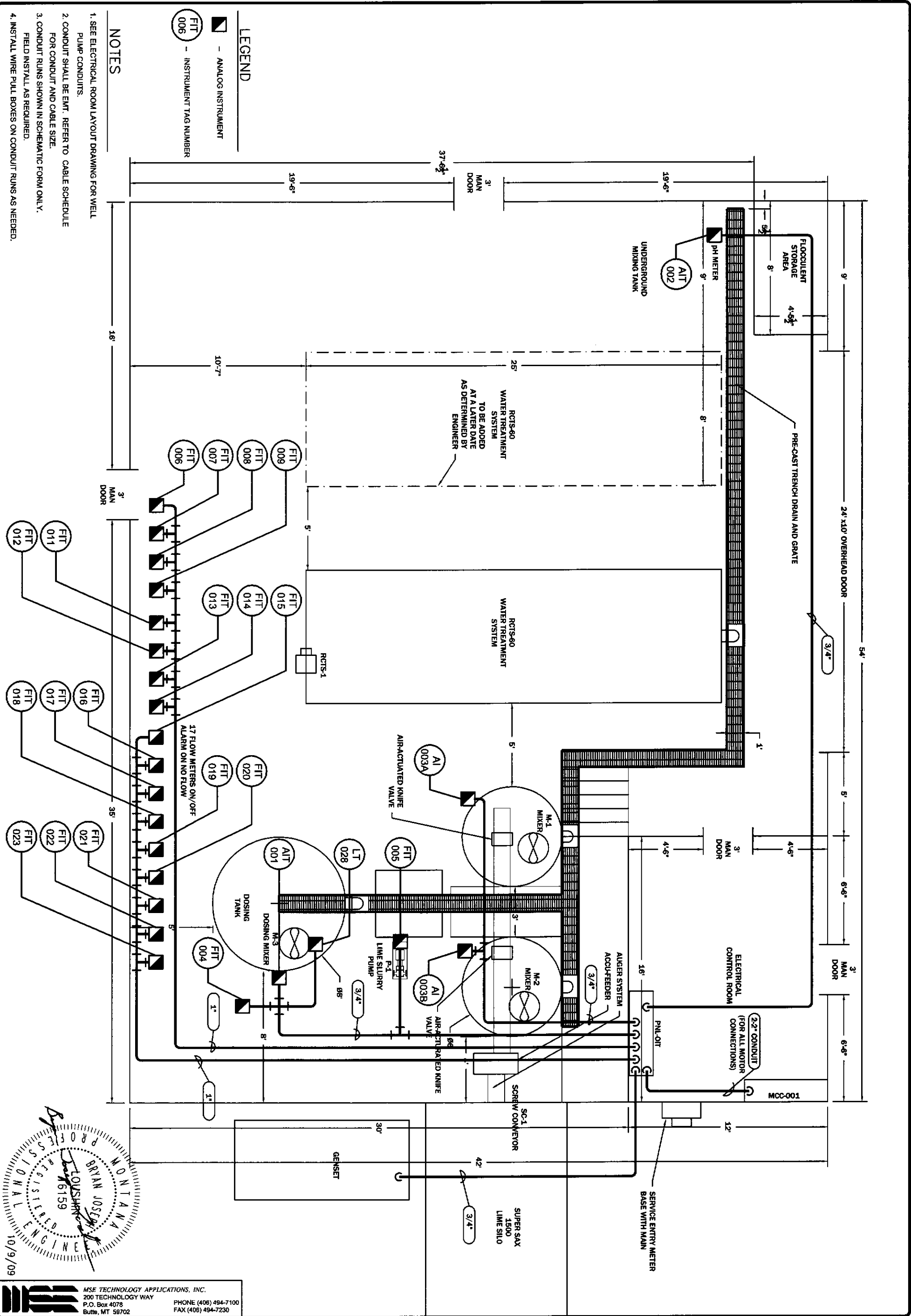


TERMINAL BLOCK LAYOUT

MDEQ/MWCB  
McLAREN TAILINGS ABANDONED  
MINE SITE RECLAMATION PROJECT

SCALE IN FEET

DESIGNED BY	DATE	BY	DATE
CHECKED BY	DATE	BY	DATE
APPROVED BY	DATE	BY	DATE
PROJECT NO.	10/2/09		
COORD BY			
DRAWN BY			
UNITS			
SOURCE			

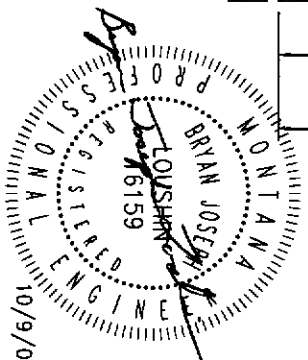


LEGEND

- - ANALOG INSTRUMENT
- - INSTRUMENT TAG NUMBER

NOTES

1. SEE ELECTRICAL ROOM LAYOUT DRAWING FOR WELL PUMP CONDUITS.
2. CONDUIT SHALL BE EMT. REFER TO CABLE SCHEDULE FOR CONDUIT AND CABLE SIZE.
3. CONDUIT RUNS SHOWN IN SCHEMATIC FORM ONLY. FIELD INSTALL AS REQUIRED.
4. INSTALL WIRE PULL BOXES ON CONDUIT RUNS AS NEEDED.



MSE TECHNOLOGY APPLICATIONS, INC.  
200 TECHNOLOGY WAY  
P.O. Box 4078  
Butte, MT 59702  
PHONE (406) 494-7100  
FAX (406) 494-7230

**PIONEER**  
TECHNICAL SERVICES, INC.  
63-1/2 WEST BROADWAY  
BUTTE, MONTANA 59701  
(406) 782-6177

INSTRUMENTATION  
CONDUIT DIAGRAM

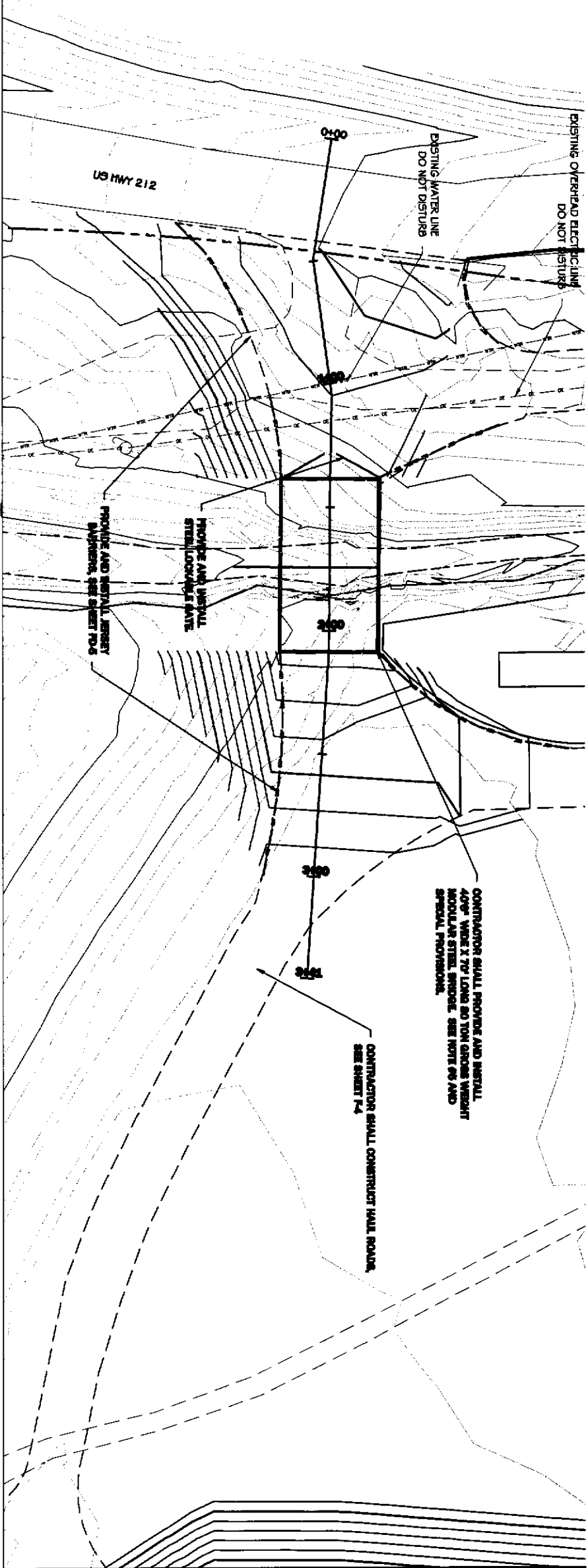
MDEQ/MWCB  
McLAREN TAILINGS ABANDONED  
MINE SITE RECLAMATION PROJECT

SCALE : 3/16" = 1'-0"

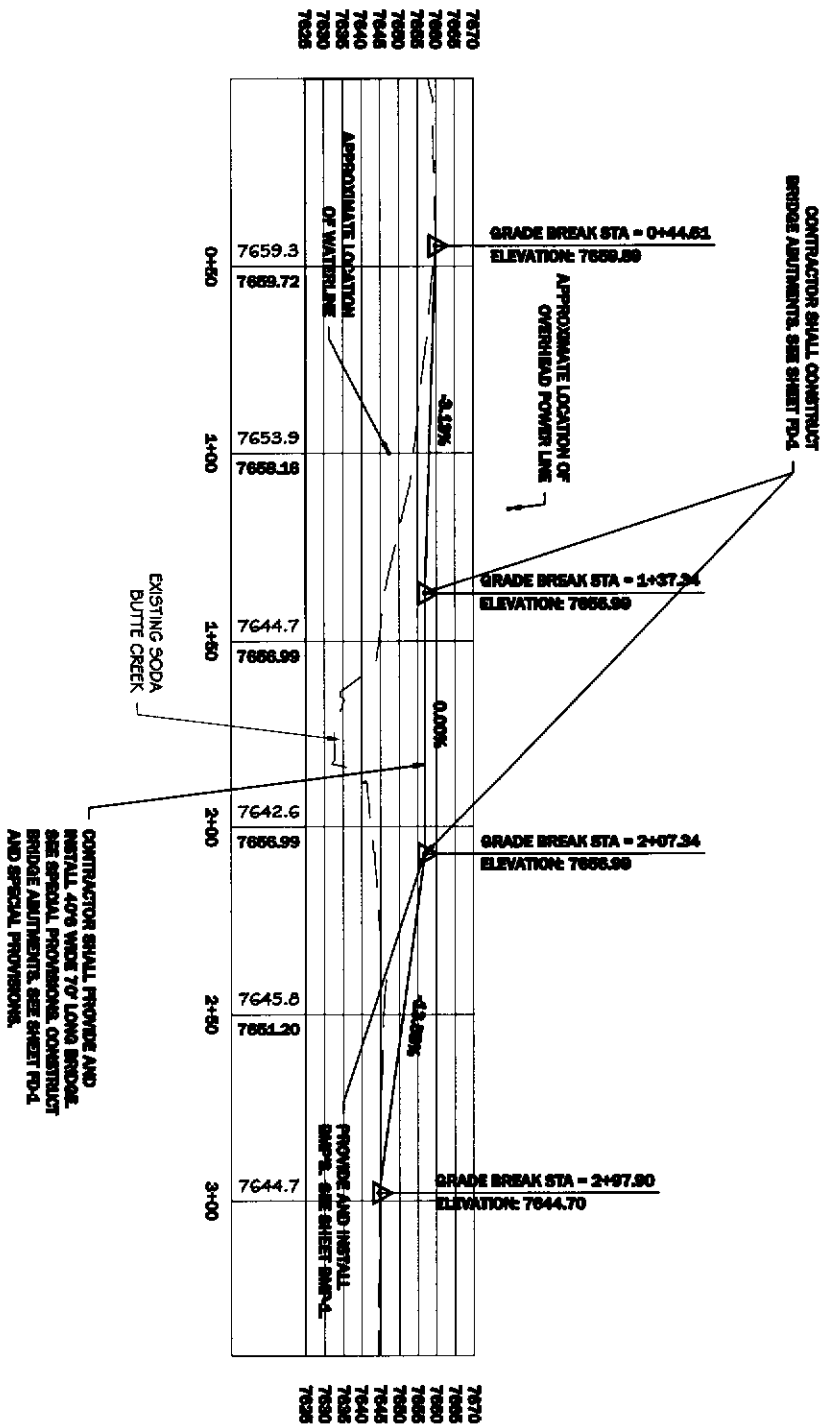
DATE: 10/9/09  
PROJECT NO.: 1002/002  
APPROVED BY: JLC  
CHECKED BY: JLC  
DESIGNED BY: JLC  
DRAWN BY: JLC

REPLACES AS  
COORD SYS/ZONE:  
UNITS:  
SOURCE:

REVISION	DATE	BY	DESC



- NOTES:**
1. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES THROUGHOUT THE COURSE OF WORK.
  2. UTILITY LOCATIONS AND ELEVATIONS SHOWN ON DRAWINGS ARE APPROXIMATE.
  3. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO COMPLETING EARTH WORK WITHIN 15 FEET OF ALL OVERHEAD POLES.
  4. CONTRACTOR IS RESPONSIBLE FOR HAVING UTILITY OWNER INSTALL POLE WHIPS ON UTILITY POLES WHEN REQUIRED BY UTILITY OWNER.
  5. CONTRACTOR SHALL PROVIDE AND INSTALL (1) 40'X70' LONG MODULAR STEEL BRIDGE AS DESCRIBED IN SECTION 10 OF THE SPECIAL PROVISIONS AND AS PROVIDED BY MANUFACTURER AND AS SHOWN ON SHEETS PD-4 AND PD-5.
  6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY INSTALLING AND MAINTAINING SWP'S THROUGHOUT THE COURSE OF WORK AND AS DIRECTED BY ENGINEER.



WEST BRIDGE  
PLAN  
AND  
PROFILE

MDEQ/MWCB  
MCLAREN TAILINGS ABANDONED  
MINE SITE RECLAMATION PROJECT



DESIGNED BY	JCL
DRAWN BY	JCL
CHECKED BY	JCL
APPROVED BY	JCL
PROJECT NO.	1216
DATE	10/02/08
CONTRACT NO.	
SCALE	AS SHOWN

CONTRACT NO.	
PROJECT NO.	1216
DATE	10/02/08
CONTRACT NO.	
PROJECT NO.	1216
DATE	10/02/08

DESIGNED BY	JCL
DRAWN BY	JCL
CHECKED BY	JCL
APPROVED BY	JCL
PROJECT NO.	1216
DATE	10/02/08
CONTRACT NO.	
PROJECT NO.	1216
DATE	10/02/08